

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (previously presented): A liquid, radiation-curable composition comprising:

a) 40 to 80 percent by weight of one or more than one compound having at least two epoxy groups,

b) 0.1 to 10 percent by weight of a cationic photoinitiator or a mixture of cationic photoinitiators comprising a sulfonium salt,

c) 2 to 30 percent by weight of a (meth)acrylate compound having at least one hydroxy group,

d) 5 to 40 percent by weight of a hydroxy compound having no unsaturated groups;

e) 0 to 30 percent by weight of at least one liquid poly(meth)acrylate having a (meth)acrylate functionality of more than 2 and having no hydroxy groups,

f) 0 to 40 percent by weight of at least one liquid cycloaliphatic or aromatic di(meth)acrylate having no hydroxy groups, and

g) 0 to 10 percent by weight of a reactive diluent,

wherein the sum of components a), b), c), d), e), f) and g) is 100 percent by weight, and components c), d), e), f), and g) are different, and

the composition contains no free radical initiator selected from the group consisting of benzoin, acetophenones, benzil, benzil ketals, anthraquinones, triphenylphosphine, benzoylphosphine oxides, bisacylphosphine oxides, benzophenones, thioxanthenes, xanthenes, acridine derivatives, phenazine derivatives, quinoxaline derivatives, 1-phenyl-1,2-propanedione 2-O-benzoyl oxime, 1-aminophenyl ketones, 1-hydroxy phenyl ketones, and ionic dye-counterion compounds.

Claim 2 (previously presented): A composition according to claim 1, which contains 60 to 80 percent by weight of component a).

Claim 3 (previously presented): A composition according to claim 1, which contains 0.5 to 6 percent by weight of component b).

Claim 4 (previously presented): A composition according to claim 1, which contains 10 to 15 percent by weight of component c).

Claim 5 (previously presented): A composition according to claim 1, which contains 12 to 20 percent by weight of component d).

Claim 6 (original): A composition according to claim 1, which contains 4 to 30 percent by weight of component e).

Claim 7 (original): A composition according to claim 1, wherein component e) is not more than 50 percent by weight of the entire (meth)acrylate content.

Claim 8 (original): A composition according to claim 1, which contains 5 to 40 percent by weight of component f).

Claim 9 (cancelled)

Claim 10 (previously presented): A composition according to claim 1 comprising

(a1) 20 to 60 percent by weight of one or more aromatic polyglycidyl ethers having two or more epoxy groups,

(a2) 0 to 50 percent by weight of an aliphatic or cycloaliphatic glycidyl ether,

(c) 3 to 30 percent by weight of a compound or mixture of compounds having at least three unsaturated groups and a hydroxyl group.

(d) 5 to 40 percent by weight of a cycloaliphatic compound having at least 2 hydroxyl groups and/or of a compound that is the product of reacting a cycloaliphatic compound having at least 2 hydroxyl groups with ethylene oxide, propylene oxide or with ethylene oxide and propylene oxide,

(e) 4 to 30 percent by weight of at least one liquid poly(meth)acrylate having a (meth)acrylate functionality of more than 2,

(f) 0 to 20 percent by weight of one or more di(meth)acrylates.

Claim 11 (previously presented): A composition according to claim 1, comprising:

(a) 40 to 80 percent by weight of one or more aliphatic and/or cycloaliphatic glycidyl ether having two or more epoxy groups,

(b) 2 to 7 percent by weight of a cationic photoinitiator or of a mixture of cationic photoinitiators,

(c) 3 to 30 percent by weight of a compound or mixture of compounds having at least three unsaturated groups and a hydroxyl group,

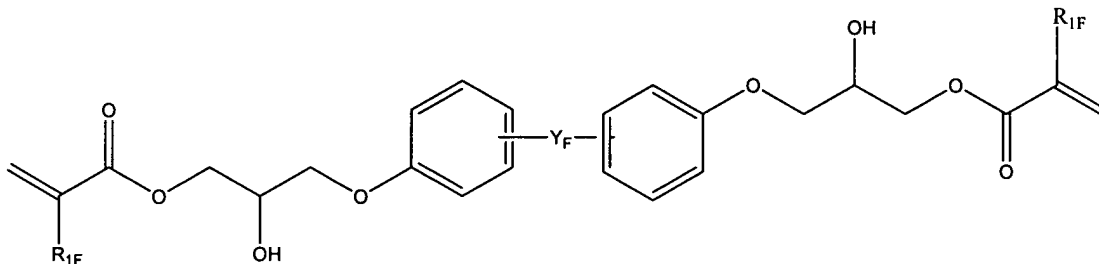
(d) 10 to 20 percent by weight of a compound that is the product of reacting a phenolic compound having at least 2 hydroxyl groups with ethylene oxide, with propylene oxide or with ethylene oxide and propylene oxide,

(e) 4 to 10 percent by weight of at least one liquid poly(meth)acrylate having a (meth)acrylate functionality of more than 2, and

(f) 4 to 10 percent by weight of one or more di(meth)acrylates.

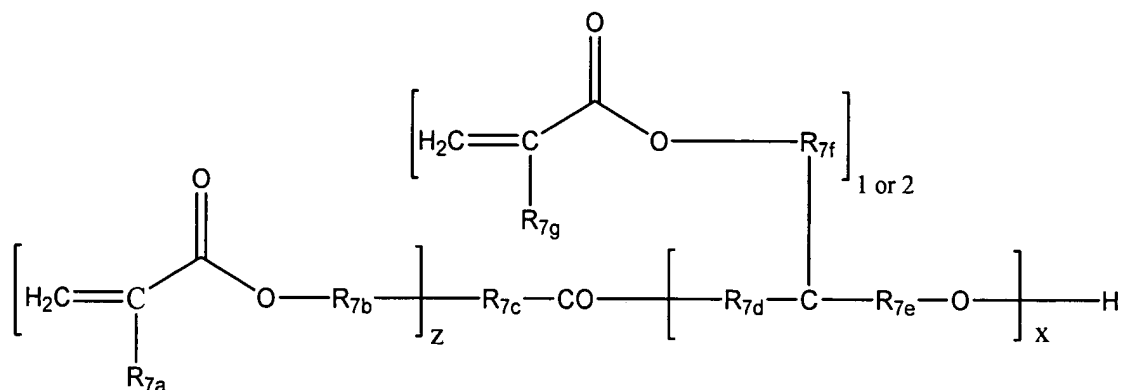
Claim 12 (cancelled)

Claim 13 (original): A composition according to claim 1 wherein component c) contains at least one compound according to formula



wherein R_{1F} is hydrogen and Y_F is $-C(CH_3)_2-$.

Claim 14 (original): A composition according to claim 1 wherein component c) contains at least one compound according to formula



(C-VII)

wherein R_{7a} and R_{7g} are H, R_{7b} , R_{7d} , R_{7e} and R_{7f} are methylene groups, R_{7c} is C, z is 3 and x is 1.

Claim 15 (original): A composition according to claim 1 wherein component c) contains a compound or mixture of compounds having more than one unsaturated group per molecule.

Claim 16 (original): A composition according to claim 1, in which component d) consists of phenolic compounds having at least 2 hydroxyl groups which are reacted with ethylene oxide, propylene oxide or with ethylene oxide and propylene oxide.

Claim 17 (withdrawn): A method of producing a cured product, in which a composition according to claim 1 is treated with actinic radiation.

Claim 18 (withdrawn): A method for producing a three-dimensional shaped article in which the article is built up from a composition according to claim 1 with the aid of a repeating, alternating sequence of steps (a) and (b), in step (a), a layer of the composition, one boundary of which is the surface of the composition, is cured with the aid of appropriate radiation within a surface

region which corresponds to the desired cross-sectional area of the three-dimensional article to be formed, at the height of this layer, and in step (b) the freshly cured layer is covered with a new layer of the radiation-curable, liquid composition, this sequence of steps (a) and (b) being repeated until an article having the desired shape is formed and this article is, if desired, subjected to post-curing.

Claim 19 (previously presented): A composition according to claim 1, wherein the sulfonium salt is a mixture of $(C_6H_5)_3S-(C_6H_4)-S^+(C_6H_5)_2SbF_6^-$ and $F_6Sb^-(C_6H_5)_2S^+-(C_6H_4)S(C_6H_4)-S^+(C_6H_5)_2SbF_6^-$.

Claim 20 (previously presented): A composition according to claim 1, wherein the component d) is polycaprolactone triol.

Claim 21 (new): A composition according to claim 1, wherein the percent by weight of component b) is about 1.2 percent.